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Street, Mount Waverley, VIC 3149 (AU). NG, Kong, Wah
[AU/AU]; 62 Monash Avenue, Balwyn, VIC 3103 (AU).

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(74) Agent: GRIFFITH HACK; 509 St Kilda Road, Mel-
bourne, VIC 3004 (AU).

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(71) Applicant (for all designated States except US): ST. VIN-
CENT'S INSTITUTE OF MEDICAL RESEARCH
[AU/AU]; 41 Victoria Parade, Fitzroy, VIC 3065 (AU).

(72) Inventors; and

(75) Inventors/Applicants (for US only): ZHOU, Hong
[AU/AU]; 69/50 King William Street, Fitzroy, VIC 3065
(AU). KARTSOGIANNIS, Vassiliki [AU/AU]; 5 Al-
mond Court, Thomastown, VIC 3074 (AU). HU, Yunshan
[AU/AU]; 1/19 Boordeax Avenue, Blackburn, VIC 3130
(AU). GILLESPIE, Matthew, Todd [AU/AU]; 7 Bailly

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(54) Title: INHIBITOR OF OSTEOCLAST PRECURSOR FORMATION

(57) Abstract: This invention relates to a polypeptide factor which is able to inhibit the formation of osteoclasts. In particular, the invention relates to a factor which inhibits the differentiation of haematopoietic precursor cells into mononucleate osteoclast precursors. In a preferred form of the invention, the factor is a type (II) membrane polypeptide expressed on the osteoblast cell surface, which we have designated osteoclast inhibitory lectin (OCIL). Nucleic acids encoding the polypeptide factor, polypeptides, and antibodies to the polypeptide are disclosed and claimed. The factor is useful in the treatment of conditions associated with abnormalities of bone resorption.

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